

United States Environmental Protection Agency Washington, DC 20460						Work Assignment Number: 7-11 <input checked="" type="radio"/> Original <input type="radio"/> Amendment			
Work Assignment									
Contract Number: EP-C-09-027			Contract Period 04/01/2010 - 03/31/2011 Option Period No. 1			SF Site Name:			
Title of Work Assignment:									
Suggested Source: Arcadis						Specify Section & Paragraph of Contract SOW:			
Purpose: <input checked="" type="radio"/> Work Assignment Initiation <input type="radio"/> Work Assignment Close-Out <input type="radio"/> Work Assignment Amendment <input type="radio"/> Incremental Funding <input type="radio"/> Work Plan Approval						Period of Performance From: 04/01/2010 To: 03/31/2011			
Comments: See attached Scope of Work						Category (check one) <input type="radio"/> I Enforcement <input type="radio"/> II Standard Setting <input type="radio"/> III Technology Development <input checked="" type="radio"/> IV Proof of Concept <input type="radio"/> N/A			
Note: To report additional accounting and appropriations data use EPA Form 1900-69A.									
SFO 22 <input type="checkbox"/> Superfund						<input type="checkbox"/> Non-Superfund			
Accounting and Appropriations Data									
DCN (Max 6)	Budget/FYs (Max 4)	Appropriation Code (Max 6)	Budget Org/Code (Max 7)	Program Element (Max 9)	Object Class (Max 4)	Amount	Sites/Project (Max 8)	Cost Org/Code (Max 7)	
1									
2									
3									
4									
5									
Authorized Work Assignment Ceiling									
Contract Period:				Cost/Fee			LOE		
Previously Approved				New					
This Action									
Total									
Work Plan / Cost Estimate Approvals									
Contractor WP Dated:				Cost/Fee:			LOE:		
Cumulative Approved:				Cost/Fee:			LOE:		
Work Assignment Manager Name: Nick Hutson (Signature) <i>Nick Hutson</i> (Date) <i>3/24/10</i>				Branch / Mail Code: APTB / E305-01 Phone Number: (919) 541-2968 Fax Number: 919-541-0554					
Branch Chief Name: Ravi Srivastava, Chief, APTB (Signature) <i>Ravi Srivastava</i> (Date) <i>3/25/10</i>				Branch/Mail Code: APTB / E305-01 Phone Number: 919-541-0554 Fax Number: 919-541-0554					
Project Officer Name: Diane Pierce (Signature) <i>Diane L Pierce</i> (Date) <i>3/25/10</i>				Branch/Mail Code: TSB / E343-03 Phone Number: (919) 541-2708 Fax Number: 919-541-0496					
Contracting Official Name: Renita Tyus, CO (Signature) <i>Renita Tyus</i> (Date) <i>3/29/10</i>				Branch/Mail Code: CPOD Phone Number: (513) 487-2094 Fax Number: (513) 487-2109					
Contractor Acknowledgement of Receipt and Approval of Workplan (Signature and Title)							Date		

Work shall not begin on this work assignment until 04/01/10.

STATEMENT OF WORK

INVESTIGATION OF MULTIPOLLUTANT CONTROL USING A WET FGD SCRUBBER

APPCD's Air Pollution Technology Branch is responsible for conducting research to investigate the potential mercury control technologies including wet scrubbers. The purposes of this project are to gain better understanding of wet scrubber chemistry related to mercury absorption, transformation, and fate and to develop techniques to improve wet scrubber mercury removal efficiency.

Under this work assignment (WA 1-11), the contractor shall conduct pilot-scale experiments to investigate the effects of chemistry and additives on mercury removal efficiency by wet scrubbers. In order to accomplish the necessary research, the contractor shall operate, maintain, and modify (as necessary) the pilot-scale FGD wet scrubber system and all associated sampling and analysis equipment and instruments. The pilot-scale system is located in the high-bay area of the EPA RTP Campus, NC.

Task 1: The contractor shall operate, maintain and modify (as necessary) the pilot-scale FGD wet scrubber pilot-scale system. The contractor shall conduct experiments in consultation with the Principal Investigator / Work Assignment Manager. The experimental conditions shall be defined by the WAM through written technical direction prior to conducting each test and will often be dependent upon previous results.

Task 2: The contractor shall compile the experimental data into a useable format (e.g., EXCEL spreadsheets) and report the summarized experimental results during bi-weekly status/review meetings.

The contractor shall provide all necessary supplies, test materials, and equipment needed to perform the required work. Any additional work required of the contractor will be identified in writing by amendments to the statement of work for this work assignment.

Deliverables

The contractor shall provide a written or oral summary of work performed under this Work Assignment during bi-weekly status meetings. The contractor shall prepare, as needed, data summary reports, status reports, briefing materials, internal project reports, presentation for technical meetings/symposia, and papers for submission to peer reviewed journals. The contractor shall coordinate with the EPA Work Assignment Manager to ensure compliance with NRMRL-APPCD policies pertaining to review and approval of papers and reports. Papers and presentations will be co-authored with EPA researchers.